RF Exposure Report

Report No.:	MFAAGC-WTW-P23110065
FCC ID:	2A8BG-NOTE32WL
Test Model:	NOTE-LWUS
Received Date:	Nov. 02, 2023
Test Date:	Dec. 01 ~ Dec. 20, 2023
Issued Date:	Aug. 13, 2024
Applicant:	Blues Inc.
Address:	50 Harbor St Manchester, MA, 01944-1425 United States.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN
FCC Registration / Designation Number:	788550 / TW0003

Testing Laboratory
2021

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
MFAAGC-WTW-P23110065	Original release.	Aug. 13, 2024

1 Certificate of Conformity

Product:	Notecard
Brand:	Blues Inc.
Test Model:	NOTE-LWUS
Sample Status:	Engineering sample
Applicant:	Blues Inc.
Test Date:	Dec. 01 ~ Dec. 20, 2023
FCC Rule Part:	FCC Part 2 (Section 2.1091)
Standards:	KDB 447498 D04 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Aug. 13, 2024

Polly Chien / Specialist

Approved by : _____ , **Date:** Aug. 13, 2024

Jeremy Lin / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	…	…	f/1500	30
1500-100,000	…	…	1.0	30

f = Frequency in MHz; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$
where
Pd = power density in mW/cm^2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
pi = 3.1416
r = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

3 Calculation Result

Function	Frequency Band (MHz)	Radiated E-field Strength (dBuV/m) @3m	Radiated Output Power (dBm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
LoRa	902.3~914.9	93.8	-1.43	0.00014	0.606

Note:
1. Output power (dBm) = Field Strength (dBuV/m)@3m - 95.23, Output power (mW) = $10^{\wedge (\text{Max power (dBm)}/10)}$
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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